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(54) ANTI-BACTERIAL COMPOSITE STRETCHED POLYESTER FILM

(57)Abstract:

PROBLEM TO BE SOLVED: To make anti-bacterial effect great and to make an anti-bacterial function to be kept for a long time by laminating and drawing in various combinations film layers contg. inorg. compd. contg. silver.

SOLUTION: An anti-bacterial composite stretched polyester film prepd. by laminating a film layer A and a film layer B both contg. inorg. compd. contg. silver into A/B and A/B/A is provided. The composite drawn polyester film with a combination of A/B or A/B/A is a biaxially stretched film prepd. by extruding polyester polymers through a composite nozzle in a constitution of A/B or A/B/A and making it into a sheet (casting), and drawing this composite sheet by, e.g. 2 to 6-fold in the longitudinal direction and furthermore, stretching the film by 2 to 6-fold in the transverse direction and heat-setting it. As the inorg. compd. contg. silver, those compd. in which silver ions are carried on an inorg. compd. are used and zeolite, zirconium phosphate and montmorillonite are applicable